

Abstract

The present invention discloses a process for preparing a water- and oil- repellent agent for textile including conducting a polymerization in a mixture of perfluoroalkyl (meth)acrylate (mixture)/alkyl (meth)acrylate/hydroxyalkyl (meth)acrylate/polyoxyalkylene glycol mono(meth)acrylate/non-ionic surfactant/ionic surfactant/vinyl monomer/chain transfer agent/water/organic dissolution agent/free radical initiator under stirring to form an emulsion containing a copolymer particles having an average particle size of about 100 nm, which can be diluted with water as desired to form a water- and oil- repellent agent aqueous dispersion. The process of the present invention does not require a high pressure homogenizer or a special emulsifying equipment.